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ROLLINS COLLEGE

WINTER TERM 1971

DIRECTED STUDIES AND INDEPENDENT STUDIES

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Winter Term 1971

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ROLLINS COLLEGE
DIRECTED STUDIES AND INDEPENDENT STUDIES
Winter Term 1971

ART

Mr. Thomas Peterson

Title: Printmaking 295

This course introduces the student to two forms of printmaking--silk screen and intaglio printing. The latter includes etching, engraving and color intaglio processes. The goal of the course is to make students aware of the special aesthetic and technical characteristics of original graphic works, and to aid them in creating their own forms appropriate to the given process.

Open to all students with consent of instructor.

(Will be offered 1970-1971 only if Winter Term Tour Abroad is not filled.)

Mr. Ronald Larned

Title: Ceramics 296

A basic ceramics course involving both fundamental hand-building techniques and advanced wheel-throwing methods. Stress will be on creative form and design.

Prerequisite: Consent of the instructor.

Miss Hallie Lu Hallam

Title: Directed Study in Art History 298

This course will require the writing of a well-researched, in-depth paper on a subject decided upon between each individual student and the instructor. An effort will be made to use as subject matter either architecture, sculpture or painting to which the student has actual access so that personal impressions and thoughts will combine with the research in the preparation of the paper.

Mr. Ronald Thompson

Title: The Human Figure 343

Studies from live models in drawing and painting the human figure. Emphasis will be placed on drawing and on different approaches to the figure. Study of master drawings will be included.

Mr. Thomas Peterson

Title: Tour Abroad 400

The Art Tour will travel to major art centers in France, Belgium, Holland, Luxembourg, and England. It will afford the participating students the opportunity to view and study a variety of the finest examples of architecture, sculpture and painting in this part of Europe. Travel will be combined with lectures and research assignments. Term papers will be required, with topics being taken from studies in the areas of French Gothic architecture and sculpture, French Renaissance and Baroque architecture, 15th century Flemish painting and 17th century Dutch painting.

Open to all sophomore, junior and senior students with consent of the faculty leader.

Fee: Approximately \$575.00

BEHAVIORAL SCIENCE

Dr. Jay Swink

Title: The Impact of the Future 190, 290, 390

The course will deal with the rapidly accelerated changes in social, cultural and technological areas and their impact on man, both physically and psychologically, as viewed from the prospective of the behavioral sciences.

Open to any student. Prerequisite: Consent of instructor.

Mr. James McLeod, Dr. Roger Ray, Dr. James Upson

Title: Field Course in Cross-cultural Studies 399, 499

This department is sponsoring a field course in cross-cultural studies to be held on Andros Island in the Bahamas. The purpose of this program is to offer a laboratory which will enable students to gather data and make observations on a culture other than their own, as well as benefit from the experience gained from living with people of a different culture.

The primary objectives are to provide an opportunity for students to learn on a first-hand basis what it is like to live with people of a different culture in a semi-primitive setting. Secondly, it will offer an opportunity for direct observation of social processes so often talked about in Behavioral Science courses, but which are so difficult to observe in our own culture.

Prerequisite: Consent of instructor.

Dr. Arthur Jones

Title: Urban and Regional Planning: Problems and Prospects 191, 291

This directed study will focus on Central Florida. Most of class time will be spent in conference with City and County officials (mayor, commissioner, police, health, education and welfare, zoning, planning, transportation, public works, etc.) The objective of the course is to examine the nature of those problems in urban organization which prevent man from acquiring greater control of life space. The course will conclude with attention given to the prospects for more effective organization and control of the urban situation.

Open to freshmen and sophomores. Prerequisite: Consent of instructor.

Dr. John Weiss

Title: The Social Process of Nazi Germany 192, 292, 392

The objective of this course will be the examination of the social processes which occurred in Nazi Germany during the period of the 1920's-1945. The type of control mechanisms which were used to keep the population in line, the kinds of things which were done to stamp out opposition, and the steps which were taken to consolidate power need to be examined closely from the sociological perspective. The implications of understanding these social processes are great for any society which is trying to work out a series of compromises between centralized planning and control as a response to advancing technology versus individual need for free expression.

Open to any student. Prerequisite: Consent of instructor.

Dr. Roger Ray

Title: Seminar in Experimental Psychology 393, 493

A laboratory course in experimental psychology with emphasis on individual research projects.

Prerequisite: Consent of the instructor.

Dr. Carol Burnett

Title: Psychopathology 399, 499

This course covers surveys, the major diagnostic categories of emotional disturbances from both the medical model and the psychological model viewpoint. A field experience is required in local agencies.

Open to juniors and seniors. Prerequisite: Consent of instructor.

BIOLOGYDr. David RichardTitle: Psychobiology 192

An introduction to the biological bases of behavior in which the physical, developmental, physiological, and hereditary determinants, as well as environmental and experimental modifications of behavior will be considered. More specialized topics include the study of social behavior, instinct, conditioning experiments, memory, and the effects of drugs on behavior.

Prerequisite: FC 121 or FC 141.

Dr. C. Francis ByersTitle: Paleontology 195

Reconstruction of life of past time through a study of fossils and the geological formations in which they occur.

Dr. Paul VestalTitle: From Origin to Organism 198

Experimental evidence concerned with the origin of life, the structure and function of the cell, and the combining of cells into multicellular organisms.

Prerequisite: FC 121 or FC 141.

Mr. Edward ScheerTitle: Geology 294

The evolution of Earth structures, environments, and resources is emphasized and related to man's use of the Earth.

Dr. David SmithTitle: Microbiology 328

Lectures and laboratory in microbial taxonomy and physiology.

Prerequisite: Biology 211 or 212 or consent.

Miss Louise RaceyTitle: Cellular Development and Morphogenesis 360

An introduction to cellular diversity. Emphasis include descriptive and experimental approaches to the time-related phenomena of

Cellular Development and Morphogenesis (Continued)

division, growth, differentiation, and morphogenesis.

Prerequisite: Biology 201 or 211.

Dr. Carl Sandstrom

Title: Experimental Embryology 398, 498

Individual problems will be selected for study depending upon student's interest and preparation.

Prerequisite: FC 142.

CHEMISTRY

Dr. Erich Blossey

Title: Chemistry and Drugs 198, 298

The elementary and fundamental principles of chemistry will be applied to the discussion of drugs. A study of the synthetic, analytical, and basic physiological chemical methods as applied to drugs will be made. The role of the chemist in legal questions concerning drugs will be elucidated. Laboratory work will emphasize simple techniques of drug analysis.

Dr. Herbert Hellwege

Title: Cleaning Our Environment: The Chemical Basis for Action 199, 299

A study of the chemical pollutants and contaminants of the air and water environment and of solid wastes. Discussion of analytical methods for the detection of pollutants and of methods preventing and controlling the emission and distribution of materials harmful to the environment.

Students will be encouraged to sample and analyze industrial wastes and to study the effects of various agents on the degradation of pollutants in the laboratory.

Requirements: Open to freshmen and sophomores. Limited to 20 students.

Dr. George Cochran

Title: Analytical Chemistry II 332

A study of the principles of conductimetry, potentiometry, polarography, and amperometry. Introduction to radiometric methods in analytical chemistry. Two lecture hours and two laboratory periods per week.

Prerequisite: CH 331.

Chemistry Staff

Title: Instrumental Techniques 399

Independent study of principles and practices of modern physical instrumentation such as NMR, IR, and UV spectroscopy, X-ray diffraction, polarimetry and optical rotary dispersion, differential thermal analysis, activation analysis, and others.

Chemistry Staff

Title: Chemical Research 499

An independent study required for senior Chemistry majors.

ECONOMICS

Mr. Richard Dorff

Title: Economic Effect of Interest Groups, Science, & Technology 192

Directed Study. Study will be concerned with the national economy as affected by science, technology, or special interest groups.

Open to freshmen.

Mr. William Legg

Title: Economics of Eastern Europe 193, 293

This Directed Study is designed to familiarize students with a new Economic System developing in Yugoslavia which is based on the concept of workers' self management. Basically, there will be a concentration on this system alone. But, to enhance the students' understanding it will be compared to the centrally planned economy as represented by the Soviet Union and other Eastern European countries. In addition, it will be compared to the capitalist economy as represented by the United States.

Open to sophomores or consent.

Mr. Shu-Chin Shen

Title: Selected Topics in Economic Development of China 295

A study of China's economic conditions and problems, before and after 1949. A relatively less explored, but rapidly growing field in economic area studies. Students desiring to undertake independent study in this field should arrange in advance of the winter term for approval of topics.

Requirements: Primarily for Economic majors of sophomore/junior standing or by consent.

Dr. Raymond Roth

Title: Applied Mathematics for Business Students 297

No college background in mathematics will be assumed. The material to be studied will include those topics most often considered prerequisite to any study of econometrics, quantitative economics and models of real financial and economic situations.

Students will be directed, on an individual basis, to prepare themselves in the basics necessary to undertake the studies of graduate courses in the various theoretical and applied fields. Emphasis will be placed on an understanding of the meaning and usage of mathematics rather than upon the theory of proofs of theorems. An introduction to the use of programmable desk calculators.

Open to freshmen, sophomores or consent.

Mr. Ross Evans

Title: Investments 308

A course in theory and practice of making investments. This includes a study of the various instruments of investments, the selection of the investment to accomplish the objective of the individual, the function of the market, and the better understanding of the capitalistic economy.

This course will be conducted by classroom discussion and lectures, and directed research paper.

Open to sophomores, juniors and seniors.

Dr. R. B. Smith

Title: Development Economics 391

Directed study for juniors. The economic factors and problems important to developing regions and countries. National and international aspects of economic development.

Mr. Lawrence Katz

Title: Federal Income Taxation 392

Study of federal income tax law. Concept of taxable gross income and a treatment of problems pertaining to the determination of gross income, deductions, reporting methods including accounting for income and deductions, capital gains and losses; taxation of business organizations including analysis of problems of partnerships, corporations and stockholders, corporate reorganizations, stock redemptions and employee benefit plans.

Prerequisite: Junior standing.

Mr. Richard Trismen

Title: Legal Research and Writing 395

Study and use of legal research techniques leading to a memorandum of law on specific problems in the area of contracts, real and personal property, partnerships, corporations, estates, trusts or taxation.

Prerequisite: Economics 322 and recommend Economics 323.

Dr. Charles Welsh

Title: Independent Study for Seniors 499

Topics in theoretical and applied economics.

EDUCATION

Mrs. Qurentia Throm

Title: Art for Elementary Schools 365

Fundamental concepts of color and design and the process of teaching art in the elementary grades.

Prerequisite: Education 271, 272. Open to Elementary Education majors only.

ENGLISH

Mr. Alan Nordstrom

Title: Creativity: Processes, Principles, and Practices 195

This will be a course of exploration into yourself and others to reach articulate and functional comprehension of such phenomena as fancy and imagination, invention and fabrication, genius and originality. Other subjects to be agitated in their processes, principles, and practice will be: ideas, concepts, conceits, dreams, visions, ideals, myths, phantasms, figments, and chimeras. By examining such things forthrightly, we mean to unleash and develop our personal creative capacities. One activity of the course will be the whole-hearted undertaking of an articulatable creative enterprise in any feasible mode or medium by each participant, separately or in team. The enterprise will be demonstrable and subject to our mutual analysis and appreciation.

Mr. Wilbur Dorsett

Title: Themes in World Drama 294

This is a seminar in which each student will choose a universal theme (war, patriotism, protest, love, parents and children, absurdism, the

Themes in World Drama (Continued)

after-life, etc.) and read a selection of plays from all periods of theatre history to determine how the theme has been developed in various cultures. Each student will summarize his findings in a descriptive and critical paper.

Open to sophomores, juniors, and seniors, and to freshmen who intend to major in English or Theatre Arts.

Mr. Marion Folsom

Title: Greek Epic and Drama in Translation: The Literature and Its Background 296 (An Overseas Study in Greece)

A close study of major portions of the Iliad and Odyssey and selected tragedies of Aeschylus, Sophocles, and Euripides and comedies of Aristophanes. The purpose of the course is not only to instill an understanding and appreciation of the works studied, but to relate the works to the civilization of which they were a part. Besides lectures in literary form and content at the American School of Classical Studies and other colleges in Athens, the monuments of the past--the Acropolis, Epidaurus, Crete and Rhodes, Corinth, Olympia, Delphi, Mycenae and Tyrinf--will be considered, particularly in the light they shed upon the literature. Artificial barriers between areas of learning or disciplines of thought will not be observed since to understand the unity and complexity of Greek literature, one cannot divorce it from the art, philosophy, and religion, or history of its people. The many museums of Athens and the Peloponessus will be explored, along with the archaeological remains which vitalize the life and thought of the founders of Western civilization. It is also hoped that the atmosphere of Greece, so perceptively described in Will Durant's first chapter of The Life of Greece, will lead to further insight into the living past as reflected in the present.

An original report of study arising out of the readings and observations of the course is to be given in class and summarized on paper.

Cost: \$625, round-trip special fare from New York or Miami to Athens for two-three week trip, including lodging and most meals.

Open to sophomores, juniors, and seniors.

Dr. Edwin Granberry

Title: Creative Writing 368

A course in creative writing, conducted on the workshop plan. Weekly reading and criticism of manuscripts that are written outside of class.

Open to sophomores, juniors, and seniors. Consent of instructor required. (Courses in Creative Writing count for credit outside of the English major.)

Dr. John Hamilton

Title: Robert Frost 390

Frost's poetry as expression of a regional, personal vision which is also national. Study designed to give pleasure and understanding from poetry which, while uniquely American, expresses universals of human experience in an artistic fusion of idea and technique. Attention to both familiar works and to less familiar major poems. Papers from the students' own preferences, either developed in the course or from deeper exploration of prior interests.

Open to upperclassmen and a limited number of freshmen.

Mrs. Leah Koontz

Title: Ernest Hemingway 391

A study of Hemingway's short stories and novels and some non-fiction, e.g., Death in the Afternoon and Green Hills of Africa. Emphasis will be on the philosophy of Hemingway as naturalist, existentialist, and Christian, as well as development in style, relation between form and content, and the tracing of the Nick Adams motif.

Open to seniors, juniors, sophomores. Freshmen only by consent.

Mr. Charles Mendell

Title: Thomas Hardy 395

In-depth study of two of Hardy's novels and 25 or 30 of his poems. Purposes and Objectives: (1) To broaden and deepen our understanding of human experience and people by a close study of Thomas Hardy's depiction of the complex problems of character and living. (2) To gain an understanding of the tragic approach to life and of the tragedy inherent in human experience as interpreted by Hardy. (3) To study Hardy's poetic technique in relation to content.

Requirements: Sophomore or higher standing, one course in literature.

Dr. Philip Pastore

Title: William Faulkner 396

Selected novels and stories by William Faulkner, containing representative materials and techniques, will be analyzed in class. A number of critical articles pertinent to Faulkner's works and vision will also be assigned and discussed in class. These will, hopefully, furnish the student with thematic, critical or problematical materials which will serve as the basis for an extended study of Faulkner's work.

Open to sophomores, juniors, seniors. Freshmen only by permission.

Mrs. Ada Haylor

Title: Afro-American Literature 397

This course will give special attention to The Harlem Renaissance and its background as a foundation for directed study of individual authors such as Richard Wright, Ralph Ellison, James Baldwin, Ann Petry, Margaret Walker, Gwendolyn Brooks and other contemporary writers. A 4000-5000 word paper will be required.

Open to sophomores, juniors, and seniors.

Mr. Peter Klappert

Title: The Works of William Blake 398

An in-depth study of the poetry and graphic art of Blake. In the first two weeks the class will meet to discuss The Songs of Innocence and Experience, The Marriage of Heaven and Hell, and one other short prophetic book, and to view slides of Blake's paintings and engravings; students will write a short paper on The Songs. In the second two weeks students will work on their projects, which will focus on one of the major prophecies (Milton or Jerusalem); there will be frequent conferences and occasional class meetings. In the last week the class will meet to hear and discuss the results of individual studies.

Open to all students with consent of the instructor.

Dr. Edward Cohen

Title: Independent Study 499

Project with department approval. Consent of instructor required.

FOREIGN LANGUAGES

French

Dr. Elinor Miller

Title: Intermediate French 201 (In Martinique)

Dr. Lynn Terrett, Miss Patricia Lancaster, Dr. Elinor Miller

Title: Independent Study 399, 499 (In Martinique only)

Open to any student who has taken French 311 or 312.

GermanDr. Peter BonnellTitle: Independent Study 399, 499

Open to any student who has taken German 301 or 302.

RussianMr. Valys ZiliusTitle: Independent Study 399, 499

Must have the consent of the instructor.

SpanishDr. Frank Sedwick, Dr. Bessie Stadt, Dr. Edward BorsoiTitle: Independent Study 399, 499

Open to any student who has taken Spanish 331 or 332 or 341 or 342.

GEOLOGYMr. Edward ScheerTitle: Geology 291

The evolution of Earth structures, environments, and resources is emphasized and related to man's use of the Earth.

HISTORY AND PUBLIC AFFAIRSDr. Richard SheldonTitle: Reform Movements in the United States 192, 292

This course will examine various reform movements in the United States during the nineteenth and twentieth centuries. These will include abolition, prohibition, women's rights, as well as religious, educational, labor, and other social, political, and economic reforms. A research paper utilizing primary source material from Mills Library will be required.

Open to all students.

Dr. Edward Wilde

Title: Contemporary Moral Issues in Politics 198, 298

The purpose of the course will be to acquaint the student with some of the moral and ethical considerations which arise in politics and public policy questions. Topics for discussion and research will include some or all of the following: civil disobedience; war and peace; crime and punishment; violence in a democracy; the individual conscience and the requirements of citizenship; the liberation of Blacks, women, everyone; the allocation of resources in a world of scarcity; the role of the mass media; the Marxist; etc. This list is not intended to be exhaustive--there will be opportunity for individuals to examine in depth a particular interest they may have. In dealing with these topics, the concern of the course will be to bring out the moral and ethical issues which are implicit or explicit in them.

Open to sophomores and above.

Dr. Jack Lane

Title: Studies in American Radical Thought 291

This course will involve a study of American Thought that is contrary to the established or majority view, and therefore may be considered "radical," "non-conformist," "out of the main-stream." The course will feature a series of lectures designed to define the meaning of radical thought and its place in American history. Each student will be required to write an extensive research paper as an individual radical thinker or a school of radical thought, and then to present his findings to the class.

Dr. Rhea Smith

Title: Europe in the Seventeenth Century and Eighteenth Century 293

The student may choose either the seventeenth or eighteenth century as the general area of his concentration in directed study. Within that field he may choose a special topic or topics to follow up with intensive investigation and the preparation of a scholarly study. In the course of his study the student is expected to maintain close liaison with the instructor by reporting at his office daily and working closely under his supervision.

Open to all students with History 113 or with consent of the instructor.

Dr. Charles Edmondson

Title: Historical Perspectives in Russian Foreign Affairs 294

The course will feature a series of narrative lectures on the primary events in Russian foreign affairs and the principal policy determinants of Russia and the Soviet Union. This will be followed by student research and oral reports on policy determinants, problems, and areas of

Historical Perspectives in Russian Foreign Affairs (Continued)

involvement common to both Tsarist and Communist Russia.

Open to all students with History 114 or those with consent.

Dr. Barry Levis

Title: English Heritage (Overseas Study) 295

The course will concentrate primarily on a study of various aspects of English history, particularly of the last 200 years. Nevertheless, a large portion of the material will deal with the art, music, and literature which have shaped English culture and have contributed so much to our own.

The total cost of the trip will be \$635.00.

Open to sophomores and above.

Dr. Lionel Summers

Title: Studies on Comparative Government 296, 499

This course involves the study of the triangular rivalry among the Soviet Communist Bloc, the Chinese Communist Bloc, and the developed countries outside of those two blocs. The course will make a study of the existing confrontations. The role of Japan and the probability of a major crisis developing in southern Africa will be included. The course will begin with a series of lectures on the problem as a whole. Each student will then be required to take some facet of the problem and to develop it intensively.

Open to all students with consent.

Dr. Paul Douglass

Title: Central America: Economic and Political Integration 297
(Overseas Study)

One week intensive on-campus seminar, January 4-10; four weeks field study respectively in Panama, Costa Rica, Nicaragua, El Salvador, Honduras, and Guatemala. Study base in national university of each country; work with economic and political officers, especially with the Central Office of the Central American Common Market in San Jose. Immediately recommended readings and individual study assignments; treaties, and possible relations.

Prerequisite: Consent of instructor.

History and Public Affairs Staff

Title: Independent Study 499

Open to senior majors.

LATIN AMERICAN STUDIESDr. Luis ValdesTitle: Research Projects in Latin America 398

An opportunity for students with a special interest in Latin America to research a topic of their interest. The course will be conducted on a seminar basis and the student will be called upon to share the progress, problems, and results of his inquiries with the rest of the class. The function of the instructor will be to guide the student through the process of choosing, researching, reporting, and writing the final paper. The class will meet together once a week and in addition each student will be required to schedule regular individual interviews with the instructor.

Open to all students with the consent of the instructor.

MATHEMATICSMr. Ralph NalewayTitle: Introduction to Modern Algebra 190

Modern algebra is the study of certain abstract mathematical systems such as groups, rings and fields. This course will introduce the student to some interesting and important ideas from various parts of abstract algebra, including some applications to science and engineering, psychology, and economics. Topics include: Boolean algebra, matrices, determinants, groups, rings, fields.

Open to freshmen and sophomores.

Dr. John BowersTitle: History of Mathematics 290

This course traces the history of elementary mathematics from the invention of primitive counting systems to the pre-calculus period of the 17th century. Included are studies of Babylonian and early Egyptian work, Euclid's Elements, and Hindu and Arabian mathematics. Discussion will also include the nature of mathematics--what it is and what it is not, creativity and research in mathematics, applications, the teaching of elementary mathematics. There is no prerequisite other than some knowledge of high school algebra and plane geometry.

Dr. Raymond RothTitle: Applied Mathematics for Business Students 297

No college background in mathematics will be assumed. The material to be studied will include those topics most often considered prerequisite to any study of econometrics, quantitative economics and models of

Applied Mathematics for Business Students (Continued)

real financial and economic situations. Students will be directed, on an individual basis, to prepare themselves in the basics necessary to undertake the studies of graduate courses in the various theoretical and applied fields. Emphasis will be placed on an understanding of the meaning and usage of mathematics rather than upon the theory of proofs of theorems. An introduction to the use of programmable desk calculators.

Open to freshmen, sophomores or consent.

Dr. Alexandra Skidmore

Title: Independent Study 399, 499

Must have consent of instructor.

MUSIC

Dr. William Gallo

Title: Opera in Vienna (Overseas Study) 193

The first week of the course on campus will include an orientation session with intensive lectures and readings covering (1) the historical background of opera and (2) the various components of opera with guest lecturers from the Theatre, Music, and Language Departments.

During the second, third, and fourth weeks, the student will attend twelve operas at the State Opera in Vienna with daily seminars which will deal with the various combinations of elements observed in each opera. In addition to the opera performances and seminars, the course will also include tours of the Opera House, the Museum of Musical Instruments, and other points of interest around Vienna.

The fifth week, at Rollins, will include an oral presentation and paper (in the case of independent or directed study) in which the student will discuss the unique combinations of the various components of opera based upon his observations and discussions of the opera in Vienna.

Mr. John Carter

Title: Music of the 18th Century: Handel's Messiah 290

A textual, historical and analytical account of one of the great masterpieces of the Baroque era.

Open to sophomores and above.

Mr. Thomas Brockman

Title: Impressionism 292

An exploration of the growth of Impressionism in Music, as related to the French Impressionist School of Painting and the French Symbolist Poets. Concentrated listening to the music of Debussy and Ravel.

PHILOSOPHY AND RELIGION

Dr. Bruce Wavell

Title: Freshman Honors Seminar 101

Selected topics--open only to freshmen invited to participate in Honors Degree Program.

Mr. Daniel DeNicola

Title: Descartes 196

A study of the life and thought of "the father of modern philosophy," Rene Descartes. This study will begin with an examination of the Discourse on Method and Meditations: this will require nearly two weeks. In the remainder of the term, each student will prepare a paper on one aspect of Descartes' biography, works, or influence. Possible topics include: Descartes' relationship with the Catholic Church; his "new method" of inquiry; his studies in meteorology, optics or anatomy; his proof of the existence of God; his theory of language; the concept of "natural light;" some facet of Cartesian dualism, or the mind-body problem; the status of cogito ergo sum. Both historically-oriented and philosophically-oriented papers will be acceptable. All papers will be presented to the class during the final week. Through these presentations and subsequent discussion, it is hoped that the group will achieve an integrated understanding to this "first truly modern man."

Requirements: Open to freshmen who have completed FC 101.

Dr. Hoyt Edge

Title: Nietzsche 398

Contemporary Existentialism has one of its roots in Nietzsche, a man esteemed both as a philosopher and as a literary figure. We will be reading Nietzsche not only for the enjoyment of his style and wit, but also to grasp his conception of the nature of man. We will examine what he means by having an ethic that is "beyond good and evil," what he means by the "superman," and why he was so violently anti-Christian. This examination will occupy the first week of the course. At the end of this time students will be required to begin working on a term paper. For the remainder of the course regular class discussions and individual conferences with the instructor will be arranged.

Requirements: One course in Philosophy or consent of the instructor.

Dr. Bruce Wavell

Title: Senior Independent Study 499

Selected topics in Philosophy for seniors only.

Dr. Arnold Wettstein

Title: Nature of Mystical Experience R 291

An exploration of mystical experience through the writings of several religious traditions and some of their meditative techniques. Student participation will involve study of assigned and chosen readings, practice of methods of meditation, the writing of a personal journal, the presentation of class reports and discussion.

Prerequisite: One course in Religion.

PHYSICS

Dr. Joseph Mulson

Title: Experimental Techniques 191

A laboratory course with experiments selected to emphasize the use of modern instrumentation (oscilloscopes, recorders, digital meters, and electronic calculators) in obtaining and analyzing data. In addition to written reports results will be presented orally for group analysis. The individual students will work in areas of their choice when possible.

Open to all students.

Dr. John Ross

Title: Exploring the Universe 193

A descriptive course designed to acquaint the student with the characteristics of stars and galaxies and with the astronomical techniques for discovering the properties of the universe as a whole. Visual, binocular, telescopic and photographic observations are encouraged. Lectures, reading assignments and student class presentations supplement the observational program.

Open to all students.

Dr. Donald Griffin

Title: Science and Society 195

In-depth study projects dealing with the contemporary problems of the interaction of science and technology with society. Study problems may include: urban development, the effects of an exploding technology

Science and Society (Continued)

on the quality of life, consumer protection, environmental pollution, transportation. Each student will carry out an individual project and actively participate in classroom sessions. The course is intended for the non-science major.

Dr. Joseph Mulson

Title: Independent Study 399, 499

Must have consent of the instructor.

THEATRE ARTS & SPEECHTheatre ArtsTheatre Arts Staff

Title: Theatre Workshop 198, 298, 398

Practical work in the production of plays or group projects, prepared for public performance. At least two terms required of all majors.

Mr. David Gawlikowski

Title: Continental Drama of 17th and 18th Centuries 195

Speech

Dr. Charles Rodgers

Title: The Art of Persuasive Speaking